

Test Report

Client : ZHONGSHAN Y-CHEN LIGHTING TECHNOLOGY CO.LTD
Address : No.28.Kanglong No.3 road. Maohui industrial, Henglan, Guangdong, China

Description of the submitted sample(s):

Sample Name : LED STREET LIGHT
Model/Type : CET-110-50M2
Trademark : N/A
Ratings : 85-265VAC, 50/60Hz, 100W
Test Item : LM-79-19
State of Sample(s) : Normal
Sample Quantity : 1 PCS
Manufacturer : ZHONGSHAN Y-CHEN LIGHTING TECHNOLOGY CO.LTD
Address : No.28.Kanglong No.3 road. Maohui industrial, Henglan,
Guangdong, China
Sample Received Date : 2025-09-08
Sample tested Date : 2025-09-08
Test Standard : LM-79-19
Test Laboratory : Shenzhen AOCE Electronic Technology Service Co., Ltd
Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu
Testing location : Industrial Park, Fuhai Street, Baoan District, Shenzhen,
Guangdong, China
Remark : The tested sample(s) and the sample information are provided by
the client.

Compiled by: *Bill Hu*Approved by: *Robin Liu*

Date :

Robin Liu
Lab Supervisor
2025-10-10

Summary of Result

Test Item	Test Result	
	Luminous Flux (lm)	Luminous Efficacy (lm/W)
Integrating Sphere Test	13655.242	142.688
Goniophotometer Test	14154.16	148.21

1 Test Condition

1.1 Air Temperature

The ambient temperature in which measurements are being taken shall be maintained at $25^{\circ}\text{C} \pm 1^{\circ}\text{C}$, measured at a point not more than 1 m from the SSL product and at the same height as the SSL product. The temperature sensor shall be shielded from direct optical radiation from the SSL product and optical radiation from any other source. If measurements are performed at other than this recommended temperature, this is a non-standard condition and shall be noted in the test report.

1.2 Thermal Conditions for Mounting SSL Products

The method of mounting can be the primary path for heat flow away from the device and can affect measurement results significantly. The SSL product under test shall be mounted to the measuring instrument so that heat conduction through supporting objects causes negligible cooling effects. If the SSL product under test is provided with a support structure that is designated to be used as a component of the luminaire thermal management system, the product shall be tested with the support structure attached. Any such support structure included in the measurement shall be reported.

1.3 Air Movement

The incidence of air movements on the surface of a SSL product under test may substantially affect electrical and photometric values. Air flow around the SSL product being tested should be such that normal convective air flow induced by device under test is not affected.

1.4 Waveshape of AC Power Supply

The AC power supply, while operating the SSL product, shall have a sinusoidal voltage waveshape at the prescribed frequency typically 50/60 Hz or 50 Hz) such that the RMS summation of the harmonic components does not exceed 3 percent of the fundamental during operation of the test item.

1.5 Voltage Regulation

The voltage of an AC power supply (RMS voltage) or DC power supply (instantaneous voltage) applied to the device under test shall be regulated to within ± 0.2 percent under load.

1.6 Seasoning

For the purpose of rating new SSL products, SSL products shall be tested with no seasoning.

1.7 Stabilization

Before measurements are taken, the SSL product under test shall be operated long enough to reach stabilization and temperature equilibrium. The time required for stabilization depends on the type of SSL products under test. The stabilization time typically ranges from 30 min to 2 or more hours for large SSL products.

1.8 Operating Orientation

The SSL product under test shall be evaluated in the operating orientation recommended by the manufacturer for an intended use of the SSL product. Stabilization and photometric measurements of SSL products shall be done in such operating orientation.

2 Test Method

2.1 Integrating Sphere Measurement

The integrating sphere system includes AC power source, digital power meter, DC power supply, spectrophotometer, and integrating sphere. The system is calibrated by standard lamp before measurement weekly. The standard lamp has been calibrated regularly and traced to the National Primary Standard.

The 4π geometry was used to measure total luminous, luminous efficacy, chromaticity coordinates, correlated color temperature, and color rendering index, the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to 780 nm. The product was operated in its intended orientation and was recorded in the report.

2.2 Goniophotometer Measurement

The goniophotometer system is calibrated by standard lamp before measurement weekly. The standard lamp has been calibrated regularly and traced to National Primary Standards.

Type C goniophotometer was used for measuring total luminous flux, luminous efficacy, luminous intensity distribution, and color angular uniformity, which were calculated from the software taken at 1° vertical intervals and 22.5° horizontal intervals. The product was operated in its intended orientation and was recorded in the report.

2.3 Electrical Measurement

According to ANSI C82.77-2002, the measurement was made using a digital power meter and power supply, the SSL product under test was operated at rated voltage and stabilized enough before measurement. The total harmonic distortion of current and power factor can be calculated from the digital power meter. The digital power meter was calibrated regularly and traced to National Primary Standards.

3 Test Result

3.1 Integrating Sphere

Temperature (°C)	Test Humidity	Orientation	Stabilization Time(min)	Test Time(min)	Number of hours operated prior to measurement
24.8	48.9%	Face down	10	5	0

Input Voltage (V)	Frequency (Hz)	Current (A)	Power Factor	Power (W)
230.0	50	0.420	0.991	95.7

Luminous Flux (lm)	Radiant Flux (W)	CCT (K)	Duv	Luminous Efficacy (lm/W)
13655.242	36.102	5084	+0.00341	142.688

Ra	SDCM	X	y	u'	v'
70.4	1.58	0.3433	0.3570	0.2082	0.487

R1	R2	R3	R4	R5
67	76	82	71	68
R6	R7	R8	R9	R10
67	80	53	-42	43
R11	R12	R13	R14	R15
67	41	69	90	61

Spectral Distribution & Chromaticity Diagram

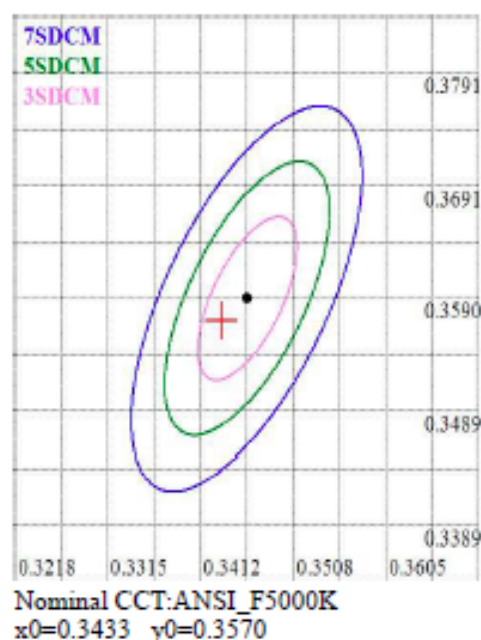
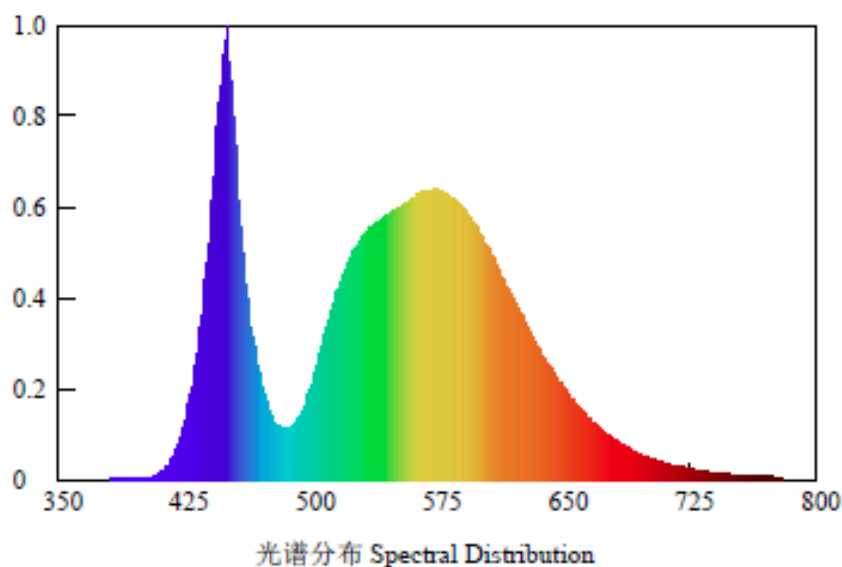
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光色参数 Spectroradiometric Parameters



色品坐标 Chromaticity Coordinates: $x=0.3433$ $y=0.3570$ $u'=0.2082$ $v'=0.487$

相关色温 Correlated Color Temperature: 5084 K

主波长 Dominant Wavelength: 567.0 nm(E)

显色指数 Rendering Index: $R_a=70.4$

峰值波长 Peak Wavelength: 449.8 nm

色纯度 Purity: 0.1011

谱线带宽 Bandwidth: 21.5nm

光通量 Luminous Flux: 13655.242 lm

辐射通量 Radiant Flux: 39.102 W

色比 Color Ratio: $K_r=32.6\%$ $K_g=59.0\%$ $K_b=8.5\%$

色容差 Color Tolerance(SDCM): 1.5819

色偏差 Chromaticity Difference: +0.00341Duv

R1=67 R2=76 R3=82 R4=71 R5=68 R6=67 R7=80 R8=53

R9=-42 R10=43 R11=67 R12=41 R13=69 R14=90 R15=61

电参数 Electric Parameters

电压 Voltage: 230.0 V

电流 Current: 0.420 A

功率因数 Power Factor: 0.991

功率 Power: 95.7 W

发光效率 Luminous Efficacy: 142.688 lm/W

3.2. Goniophotometer

Temperature (°C)	Test Humidity	Orientation	Stabilization Time(min)	Test Time(min)	Number of hours operated prior to measurement
24.9	48.5%	Face forward	15	30	0

Input Voltage (V)	Frequency (Hz)	Current (A)	Power Factor	Power (W)
230.0	50	0.419	0.989	95.5

Luminous Flux (lm)	CBCP (cd)	Field Angle (10%)	Beam Angle (50%)	Luminous Efficacy (lm/W)
14154.16	14243.26	88.8*88.7	56.0*56.5	148.21

Photometric Results

Lumens(lm): 14154.16
 Efficiency(%): 108.88%
 Lumens(lm)/Power(W): 148.21
 Central intensity(cd): 14034.670
 Maximum intensity(cd): 14243.260
 Angle of maximum intensity: C=30.0 $\gamma=0.0$
 Beam Angle(50%Imax): [C0/180]Total=56.0
 [C90/270]Total=56.5
 Field angle(10%Imax): [C0/180]Total=88.8
 [C90/270]Total=88.7
 Maximum s/h(1/2): C0_180=0.80 C90_270=0.86
 Maximum s/h(1/4): C0_180=0.83 C90_270=0.86
 Up flux rate of lamp(%): 1.42%
 Down flux rate of lamp(%): 107.46%
 Up flux rate of LUM(%): 1.30%
 Down flux rate of LUM(%): 98.70%
 CIE Type : Direct lighting
 Output flux ratio in π solid angle : 91.688%

4.1. Zonal flux distribution table

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	14131.120	.000	.000	.000%	.000%
5.0	13899.810	335.102	335.102	2.578%	2.578%
10.0	13179.130	968.699	1303.801	7.452%	10.029%
15.0	11986.160	1492.788	2796.588	11.483%	21.512%
20.0	10346.150	1840.496	4637.084	14.158%	35.670%
25.0	8378.522	1963.872	6600.956	15.107%	50.777%
30.0	6315.854	1859.586	8460.542	14.305%	65.081%
35.0	4464.639	1587.503	10048.040	12.212%	77.293%
40.0	2607.172	1179.878	11227.920	9.076%	86.369%
45.0	1263.493	716.685	11944.610	5.513%	91.882%
50.0	775.638	412.036	12356.640	3.170%	95.051%
55.0	690.308	318.746	12675.390	2.452%	97.503%
60.0	617.665	302.334	12977.720	2.326%	99.829%
65.0	572.119	289.239	13266.960	2.225%	102.054%
70.0	463.477	262.220	13529.180	2.017%	104.071%
75.0	322.381	205.411	13734.590	1.580%	105.651%
80.0	187.160	136.339	13870.930	1.049%	106.700%
85.0	81.896	73.109	13944.040	.562%	107.262%
90.0	12.575	25.867	13969.910	.199%	107.461%
95.0	3.925	4.518	13974.420	.035%	107.496%
100.0	4.668	2.335	13976.760	.018%	107.514%
105.0	5.804	2.802	13979.560	.022%	107.535%
110.0	7.374	3.444	13983.010	.026%	107.562%
115.0	9.897	4.373	13987.380	.034%	107.595%
120.0	13.864	5.776	13993.160	.044%	107.640%
125.0	19.556	7.725	14000.880	.059%	107.699%
130.0	27.644	10.263	14011.140	.079%	107.778%
135.0	37.345	13.132	14024.270	.101%	107.879%
140.0	48.111	15.823	14040.100	.122%	108.001%
145.0	59.424	17.941	14058.040	.138%	108.139%
150.0	70.513	19.134	14077.170	.147%	108.286%
155.0	80.788	19.147	14096.320	.147%	108.433%
160.0	90.811	17.998	14114.320	.138%	108.572%
165.0	101.493	15.849	14130.170	.122%	108.694%
170.0	112.316	12.683	14142.850	.098%	108.791%
175.0	121.526	8.365	14151.210	.064%	108.856%
180.0	125.226	2.950	14154.170	.023%	108.878%

4.2. Zonal flux distribution table

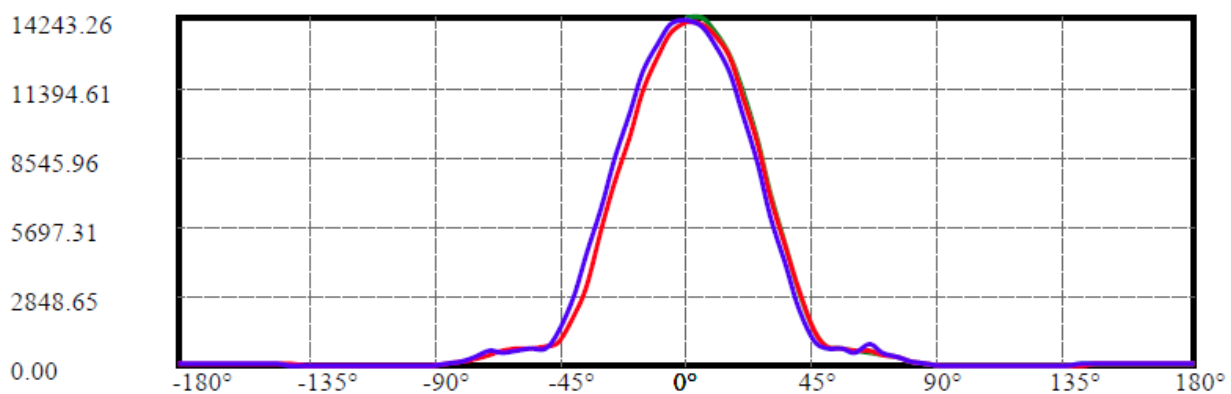
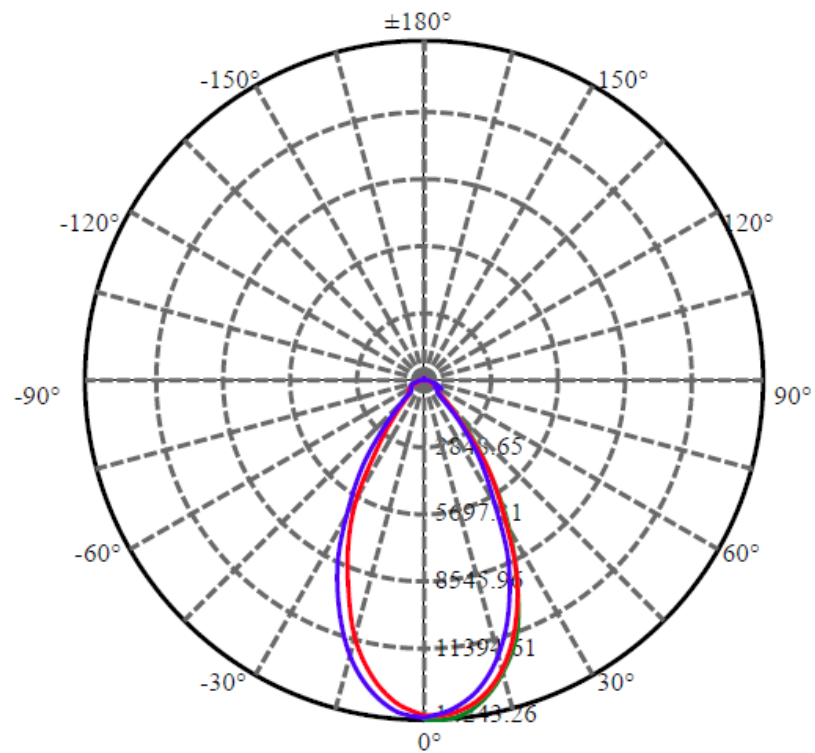
ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	8460.54	65.08%	59.77%
0-40	11227.92	86.37%	79.33%
0-60	12977.72	99.83%	91.69%
0-90	13969.91	107.46%	98.70%
0-120	13993.16	107.64%	98.86%
0-180	14154.17	108.88%	100.00%
60-90	1294.52	9.96%	9.15%
90-120	49.12	0.38%	0.35%
90-130	67.10	0.52%	0.47%
90-150	133.13	1.02%	0.94%
90-180	207.18	1.59%	1.46%
0-40.67	11323.33	87.10%	80.00%

ZONAL LUMEN SUMMARY

0-10	1303.80
10-20	3333.28
20-30	3823.46
30-40	2767.38
40-50	1128.72
50-60	621.08
60-70	551.46
70-80	341.75
80-90	98.98
90-100	6.85
100-110	6.25
110-120	10.15
120-130	17.99
130-140	28.95
140-150	37.08
150-160	37.14
160-170	28.53
170-180	8.37

4.3. Light Distribution Curve



C30(Max): —

C0/C180: —

C90/C270: —

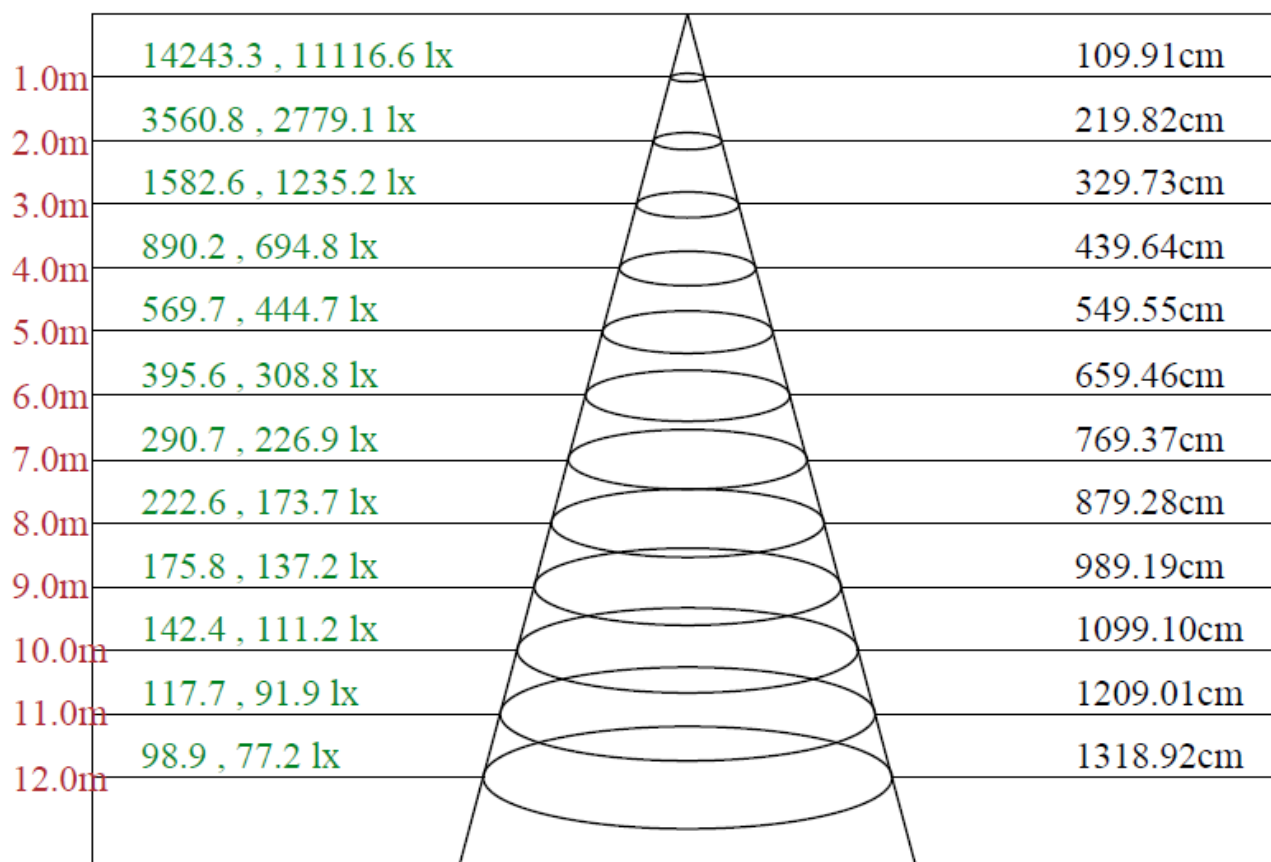
Field angle(10%Imax):C0/180Left:43.0 Right:45.8

:C90/270Left:45.0 Right:43.7

Beam Angle(50%Imax):C0/180Left:26.4 Right:29.7

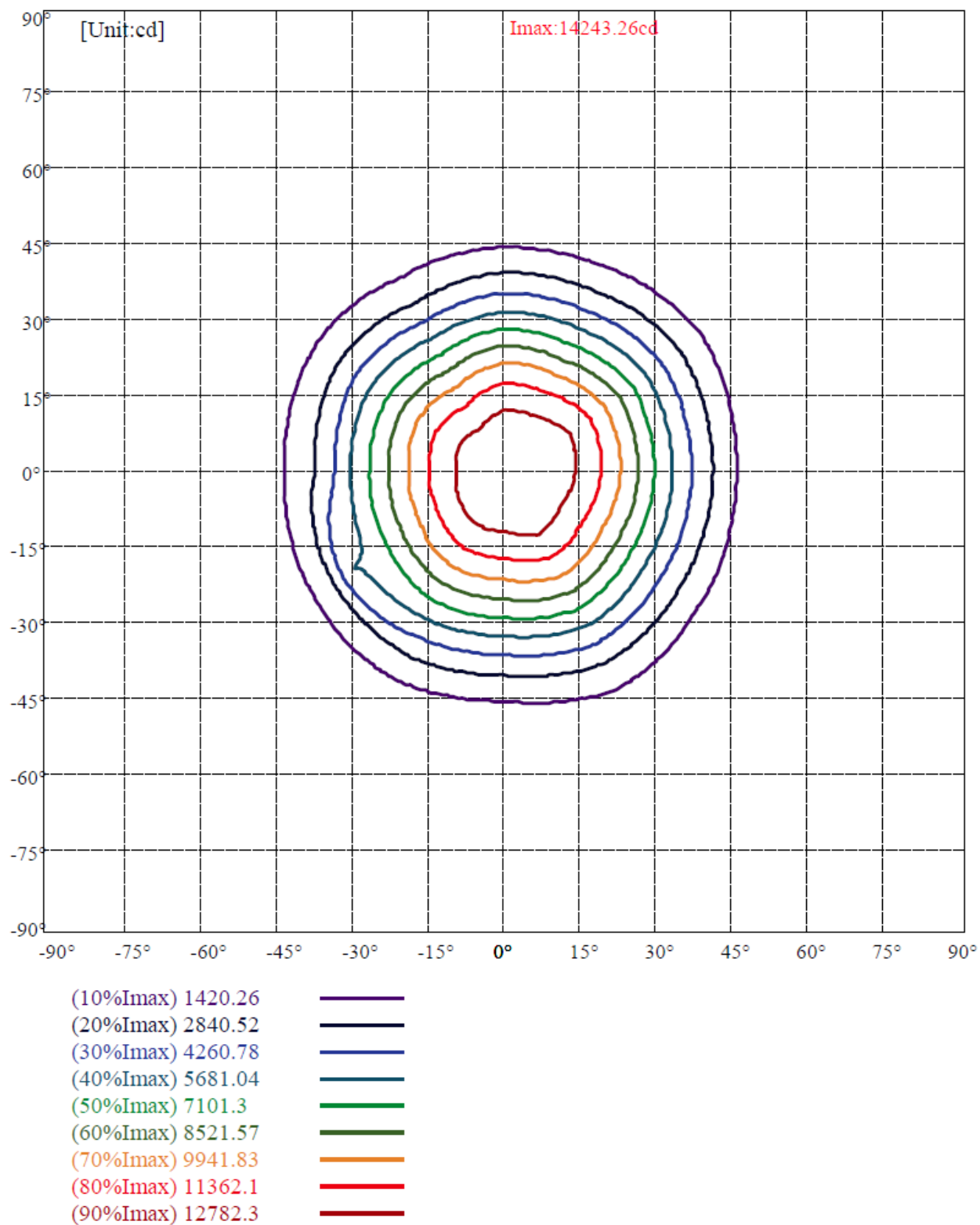
:C90/270Left:28.7 Right:27.8

4.4. Lux distance Curve

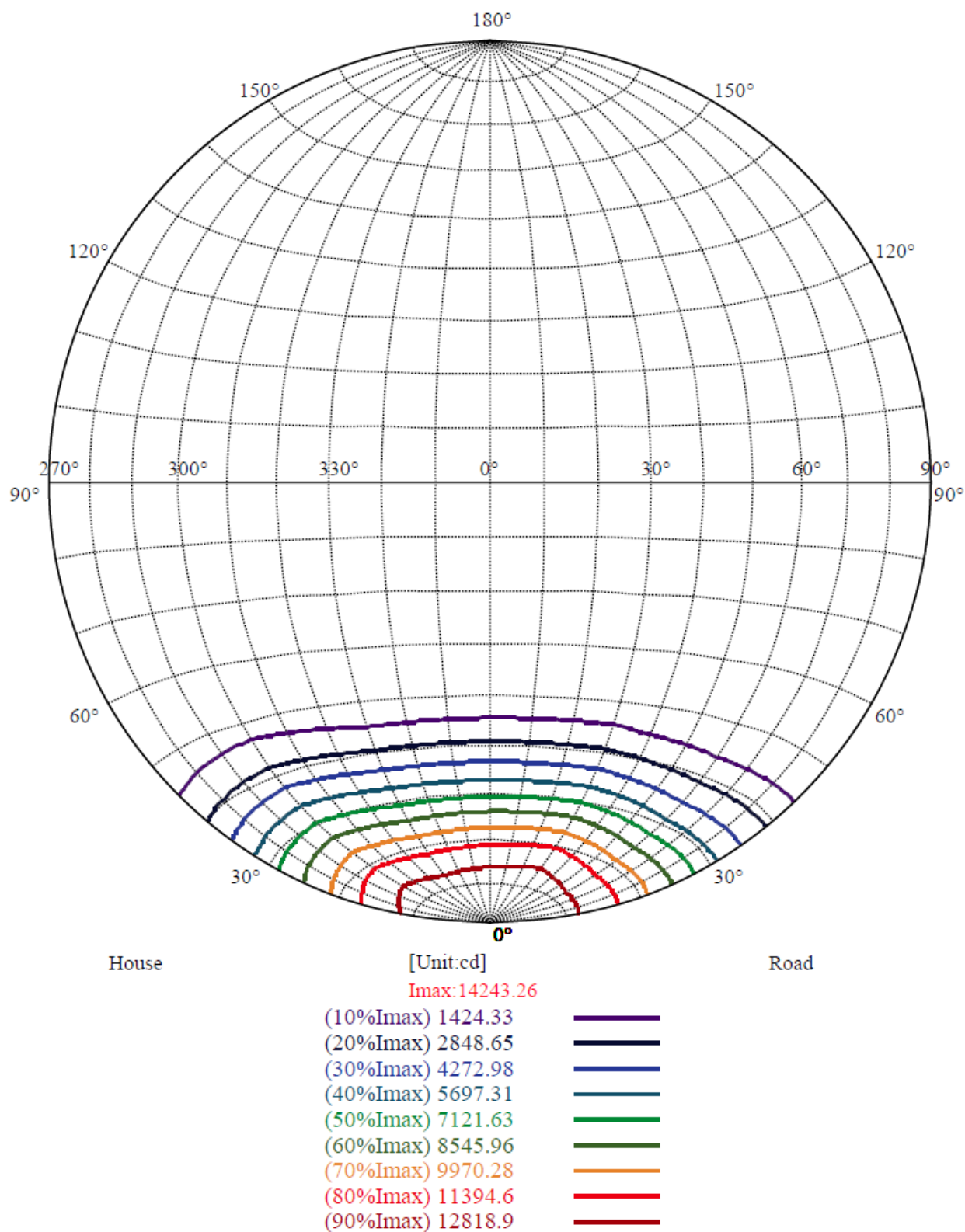


Max , Ave Beam angle of C30plane57.54

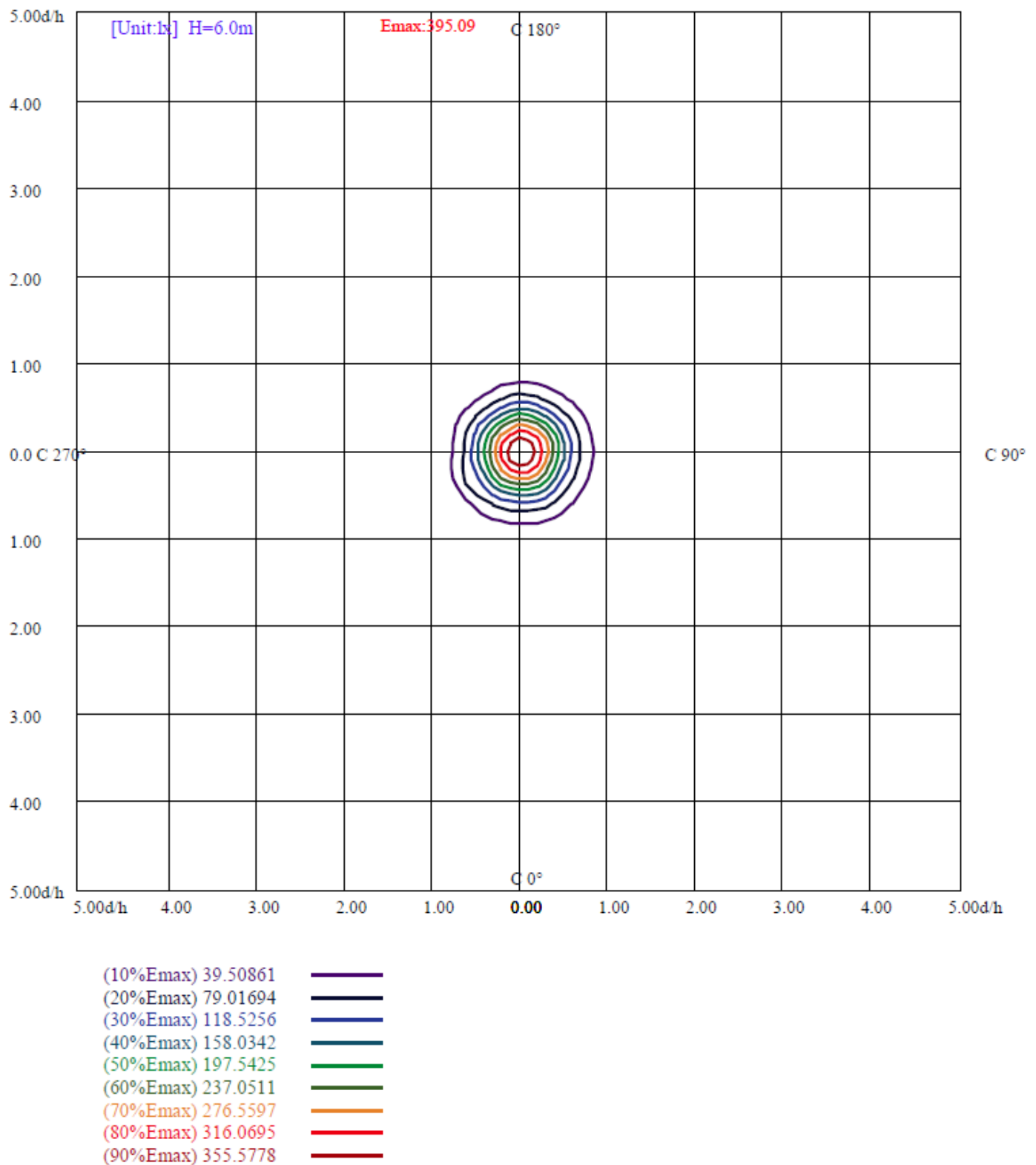
4.5. ISO-Intensity(V-H)



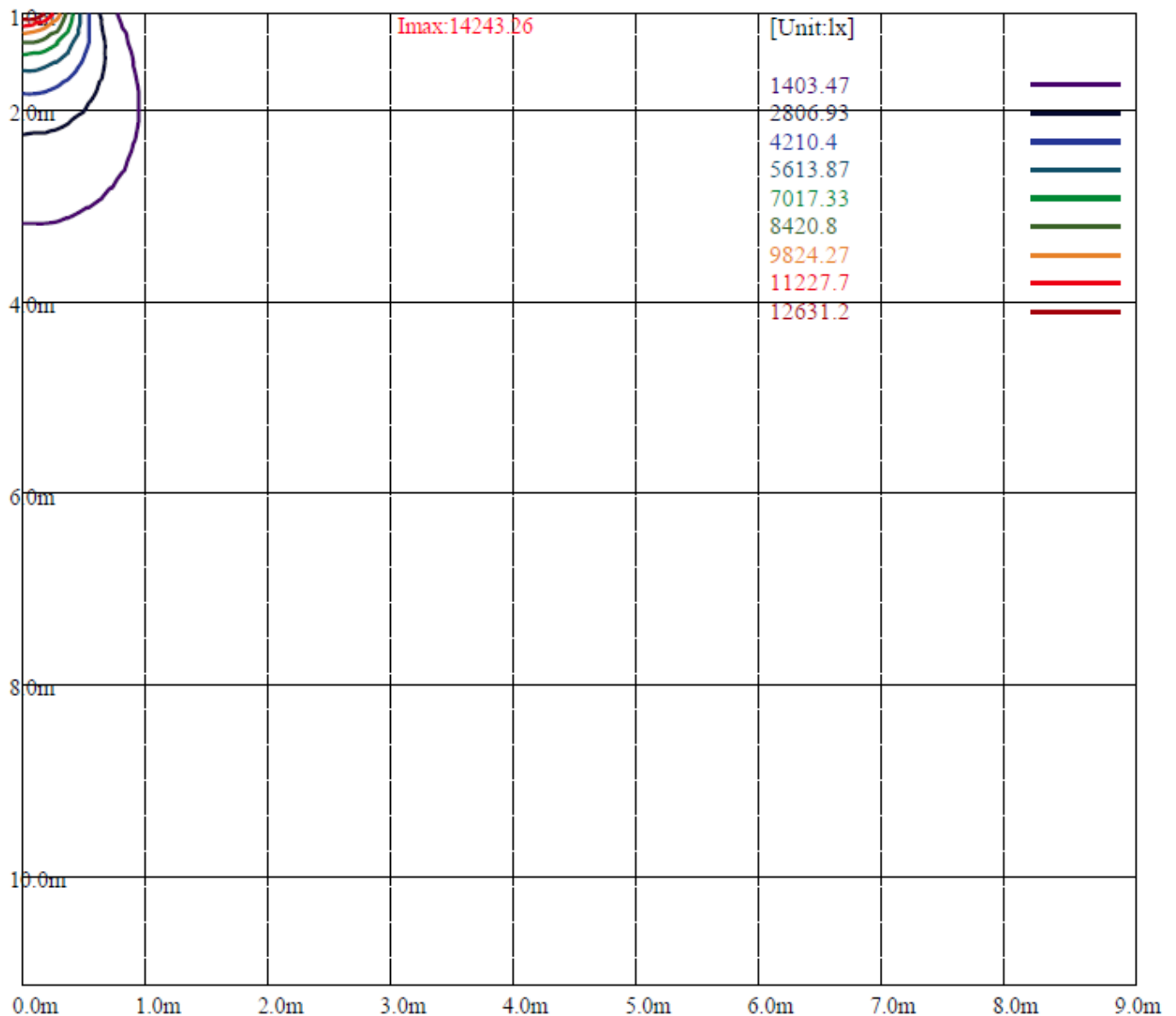
4.6. ISO candela diagram on circular web



4.7. ISO illuminance diagram



4.8. Space ISO Lux diagram



4.9. Luminance Limiting Curve(no luminous side)

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Luminance Table

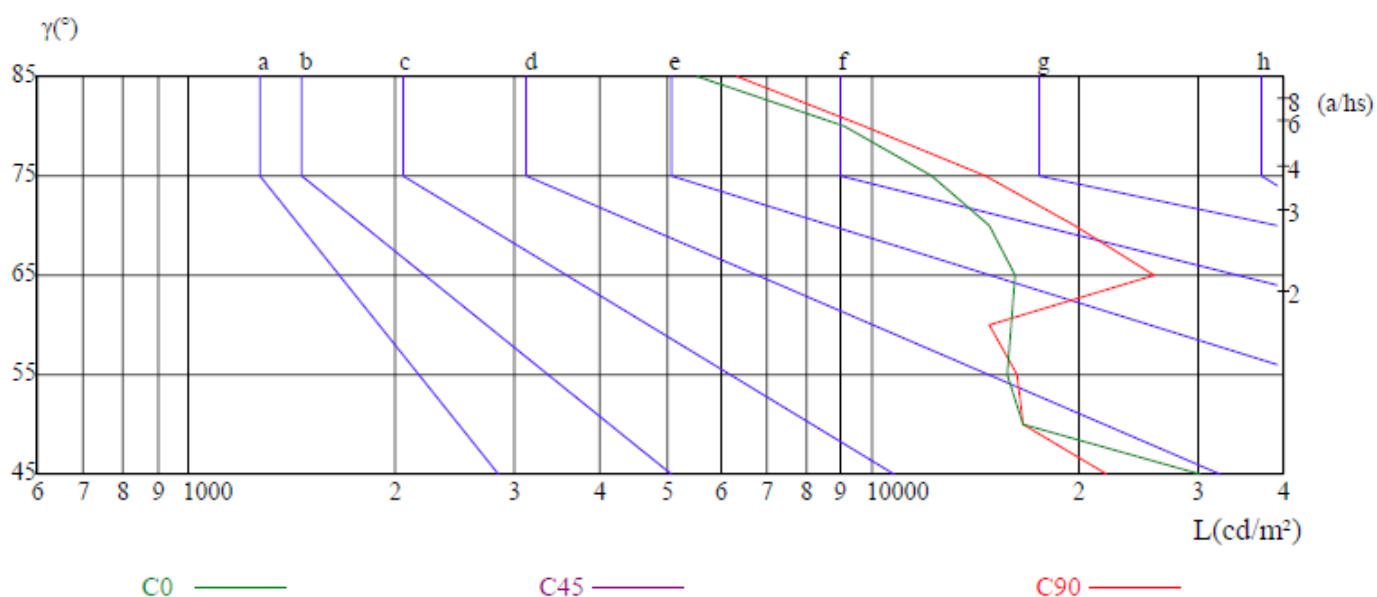
γ	45	50	55	60	65	70	75	80	85
C0	30151	16653	15783	16012	16177	14852	12219	9096	5552
C45	0	0	0	0	0	0	0	0	0
C90	22065	16659	16341	14873	25816	19821	14674	9752	6328

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
23258	27777	0	20069	23256	0	15996	19849	0

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

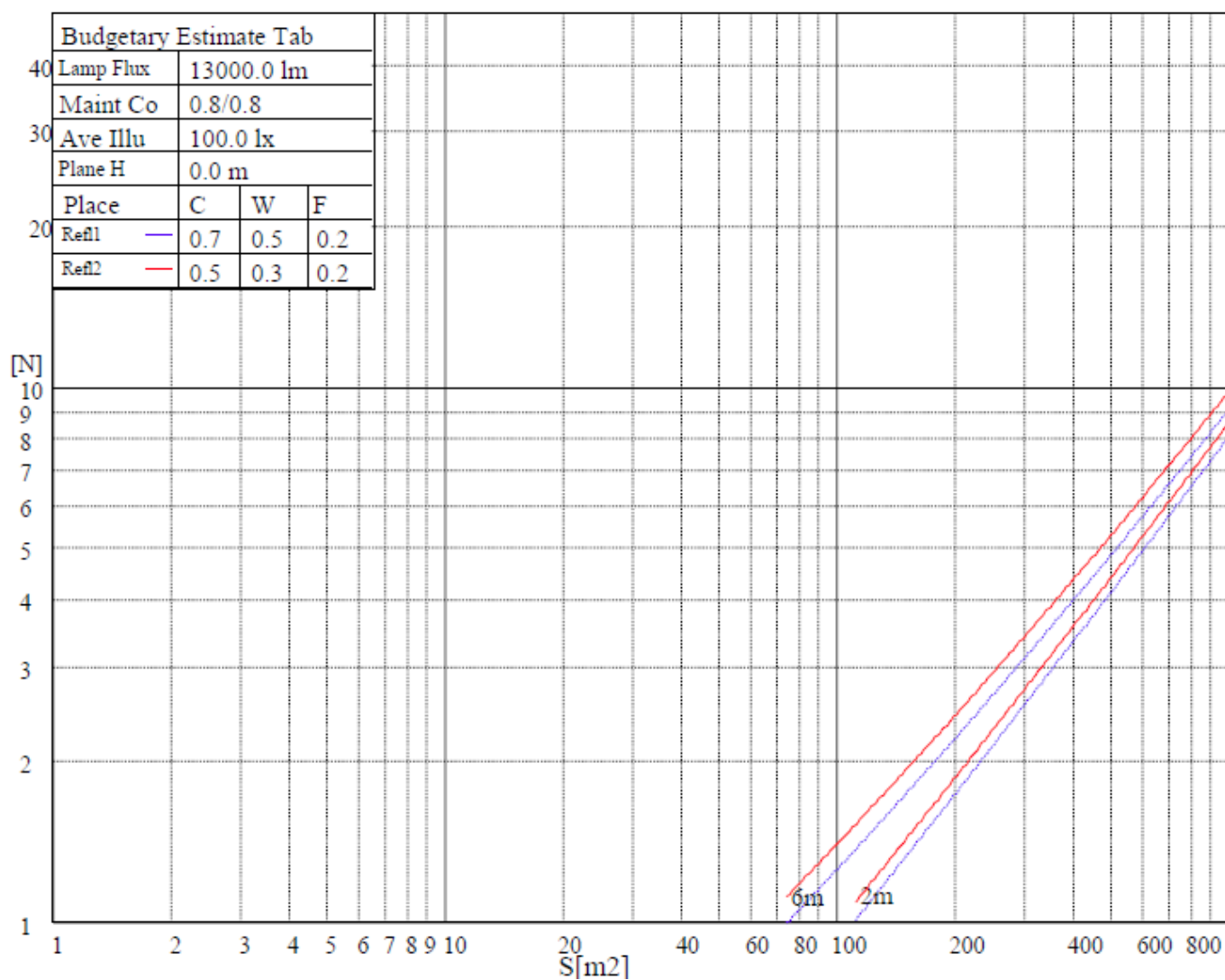
Luminance Limiting Curve



4.10. UGR Glare

Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	19.1	20.4	19.3	20.5	20.6	19.1	20.4	19.3	20.5	20.6
	3H	20.9	22.1	21.1	22.2	22.4	21.0	22.2	21.2	22.3	22.5
	4H	21.5	22.6	21.8	22.8	23.0	21.6	22.8	21.9	22.9	23.1
	6H	21.9	22.9	22.1	23.1	23.3	22.0	23.1	22.3	23.2	23.4
	8H	22.0	22.9	22.2	23.1	23.3	22.1	23.1	22.4	23.3	23.5
	12H	22.1	23.0	22.3	23.2	23.4	22.2	23.2	22.5	23.4	23.6
4H	2H	19.6	20.7	19.8	20.9	21.0	19.5	20.7	19.8	20.8	21.0
	3H	21.6	22.6	21.9	22.8	23.0	21.7	22.6	21.9	22.8	23.0
	4H	19.1	20.4	19.3	20.5	20.6	19.1	20.4	19.3	20.5	20.6
	6H	22.7	23.4	23.0	23.7	24.0	22.8	23.5	23.1	23.8	24.1
	8H	22.8	23.5	23.1	23.8	24.0	22.9	23.6	23.2	23.9	24.1
	12H	22.9	23.5	23.2	23.8	24.1	23.1	23.6	23.4	24.0	24.2
8H	4H	22.5	23.2	22.9	23.5	23.8	22.6	23.3	22.9	23.6	23.8
	6H	23.0	22.9	23.3	23.9	24.1	23.1	22.9	23.4	23.9	24.2
	8H	23.2	23.6	23.5	24.0	24.3	23.2	23.7	23.6	24.1	24.4
	12H	23.5	24.0	23.9	23.8	24.7	23.7	24.1	24.0	23.9	24.8
12H	4H	22.5	23.1	22.9	23.4	23.7	22.6	23.2	22.9	23.5	23.8
	6H	23.6	23.5	23.4	23.8	24.1	23.7	23.6	23.5	23.9	24.2
	8H	23.2	23.6	23.6	24.0	24.3	23.3	23.7	23.7	24.0	24.4
Variation with the observer position at spacings:											
S = 1.0H		1.3/-1.0					1.6/-1.5				
S = 1.5H		2.6/-1.3					2.9/-1.4				
S = 2.0H		3.7/-1.1					4.3/-1.4				
Standard tables:		BK3					BK3				
Uncorrected UGR		4.9					5.3				

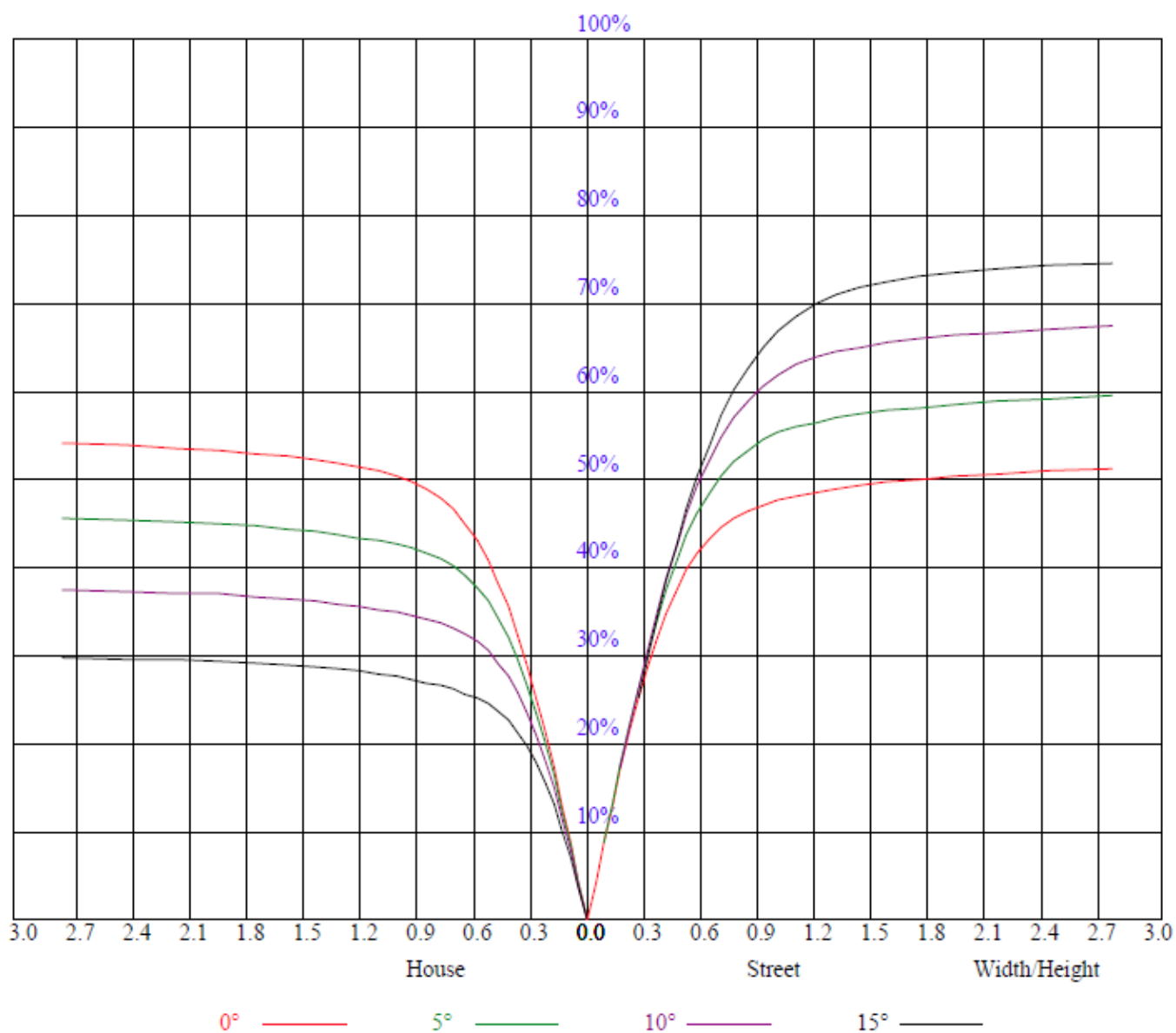
4.11. Budgetary Estimate Table



4.12. Utilization factor table for indoor luminaire

RHOC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.29	1.29	1.29	1.26	1.26	1.26	1.20	1.20	1.20	1.15	1.15	1.15	1.10	1.10	1.10	1.07
1	1.18	1.15	1.12	1.16	1.13	1.10	1.11	1.08	1.06	1.06	1.05	1.03	1.02	1.01	1.00	0.97
2	1.08	1.03	0.98	1.06	1.01	0.97	1.02	0.98	0.95	0.99	0.95	0.92	0.95	0.93	0.90	0.88
3	0.99	0.93	0.88	0.98	0.92	0.87	0.94	0.90	0.85	0.92	0.87	0.84	0.89	0.85	0.82	0.80
4	0.92	0.85	0.79	0.90	0.84	0.79	0.88	0.82	0.78	0.85	0.81	0.77	0.83	0.79	0.76	0.74
5	0.85	0.78	0.73	0.84	0.77	0.72	0.82	0.76	0.71	0.80	0.75	0.71	0.78	0.73	0.70	0.68
6	0.79	0.72	0.67	0.78	0.71	0.66	0.76	0.70	0.66	0.75	0.69	0.65	0.73	0.68	0.65	0.63
7	0.74	0.67	0.62	0.73	0.66	0.61	0.72	0.66	0.61	0.70	0.65	0.61	0.69	0.64	0.60	0.58
8	0.69	0.62	0.57	0.69	0.62	0.57	0.67	0.61	0.57	0.66	0.61	0.56	0.65	0.60	0.56	0.55
9	0.65	0.58	0.54	0.65	0.58	0.53	0.64	0.57	0.53	0.62	0.57	0.53	0.61	0.56	0.53	0.51
10	0.62	0.55	0.50	0.61	0.54	0.50	0.60	0.54	0.50	0.59	0.54	0.50	0.58	0.53	0.49	0.48

4.13. Coefficient Utilization Curve



4.14. Intensity data(cd)

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C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	C/γ(°)	180.0
0.0	14034.67	14007.75	13530.01	12613.20	11082.39	9136.08	6868.46	4900.28	3167.60	0.0	118.09
30.0	14243.26	14204.57	13699.91	12771.33	11304.44	9248.79	7033.32	4910.37	3123.86	30.0	129.19
60.0	14202.89	13969.06	13318.05	12153.96	10495.30	8291.61	6101.37	4175.24	2432.31	60.0	130.37
90.0	14149.06	13881.59	13207.02	12029.48	10382.59	8308.43	6076.14	4151.69	2412.29	90.0	127.18
120.0	14064.95	13612.43	12660.31	11248.93	9447.29	7320.97	5332.60	3295.28	1785.16	120.0	125.32
150.0	14091.86	13708.32	12796.56	11435.66	9723.17	7709.56	5790.16	3869.08	2096.03	150.0	121.29
180.0	14034.67	13600.66	12623.30	11211.92	9400.19	7532.93	5652.22	3286.20	2021.68	180.0	118.09
210.0	14243.26	13785.70	12826.84	11351.55	9610.46	7751.62	5803.62	3674.09	2190.24	210.0	129.03
240.0	14202.89	13982.52	13203.66	11957.14	10342.22	8456.47	6567.34	4629.44	2839.57	240.0	130.37
270.0	14149.06	13937.10	13203.66	12036.21	10392.69	8528.80	6572.39	4565.52	2813.16	270.0	127.18
300.0	14064.95	14093.55	13605.71	12633.39	11141.27	9359.81	7262.10	5309.05	3399.74	300.0	125.32
330.0	14091.86	14014.48	13474.49	12391.15	10831.74	8897.20	6730.52	4809.44	3004.43	330.0	121.29
360.0	14034.67	14007.75	13530.01	12613.20	11082.39	9136.08	6868.46	4900.28	3167.60	360.0	118.09
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0		
0.0	1519.04	786.10	689.20	637.22	576.32	463.11	323.83	196.65	92.02		
30.0	1520.72	810.32	693.24	633.18	559.33	461.77	343.34	192.28	76.04		
60.0	1076.28	729.91	663.46	579.02	488.35	394.98	282.61	159.81	53.16		
90.0	1064.84	748.08	673.39	553.28	449.52	362.19	246.37	182.02	85.96		
120.0	854.56	731.09	659.26	566.74	478.76	376.65	262.59	137.27	41.72		
150.0	1027.83	771.97	726.55	658.75	570.10	458.57	311.88	156.45	63.08		
180.0	993.85	788.45	750.43	689.54	600.21	441.24	297.92	179.66	74.86		
210.0	1062.82	768.60	726.71	655.05	565.73	456.72	318.44	168.39	70.48		
240.0	1402.96	786.43	704.68	635.88	545.20	450.50	334.93	231.98	98.91		
270.0	1407.00	742.53	671.20	578.34	555.63	593.48	374.12	217.68	121.12		
300.0	1783.14	896.62	661.44	611.15	528.38	442.42	336.78	238.71	124.82		
330.0	1448.89	747.57	664.14	613.84	547.90	460.08	335.77	185.04	80.58		
360.0	1519.04	786.10	689.20	637.22	576.32	463.11	323.83	196.65	92.02		
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0		
0.0	12.11	3.53	4.21	5.38	6.73	8.92	12.28	16.99	22.88		
30.0	9.25	4.21	5.21	6.39	7.74	9.59	12.78	18.17	26.07		
60.0	4.21	4.21	5.21	6.39	7.91	10.43	14.30	20.19	29.44		
90.0	6.56	4.04	5.05	6.06	7.57	9.76	13.96	20.02	29.10		
120.0	3.53	4.37	5.21	6.39	8.07	11.10	15.81	22.88	33.81		
150.0	4.88	4.21	5.21	6.39	7.74	10.43	14.47	20.86	30.62		
180.0	3.87	4.37	5.21	6.39	8.07	10.77	15.14	22.04	31.96		
210.0	5.38	3.70	4.37	5.72	7.91	10.93	15.64	21.36	28.77		
240.0	27.42	3.53	4.21	5.21	6.90	9.59	13.79	19.01	26.24		
270.0	24.90	3.53	4.04	5.21	6.73	9.59	13.63	19.01	26.24		
300.0	36.00	3.70	3.87	4.88	6.39	8.41	11.78	16.65	22.71		
330.0	12.78	3.70	4.21	5.21	6.73	9.25	12.78	17.49	23.89		
360.0	12.11	3.53	4.21	5.38	6.73	8.92	12.28	16.99	22.88		
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0		
0.0	29.61	37.51	46.43	55.68	65.10	74.35	84.45	96.73	110.02		
30.0	36.84	48.95	62.58	75.53	87.64	99.42	110.18	119.44	127.18		
60.0	41.38	54.84	68.97	81.59	93.53	104.80	115.23	123.98	129.53		
90.0	41.55	55.18	68.80	81.42	93.36	103.46	112.88	120.78	126.33		
120.0	46.26	59.89	72.84	85.46	95.72	104.97	114.05	121.46	125.49		
150.0	42.73	55.34	67.96	80.41	91.01	101.27	110.02	116.91	121.79		
180.0	43.57	56.35	69.14	81.42	91.68	100.43	108.84	115.57	119.10		
210.0	36.67	46.26	55.85	65.61	74.86	84.78	97.23	111.53	123.47		
240.0	33.98	42.56	52.32	61.74	71.33	81.25	93.53	108.84	123.31		
270.0	33.98	42.73	52.15	61.40	70.65	81.08	94.20	109.01	121.79		
300.0	30.28	38.35	47.61	57.53	66.78	76.54	88.32	102.11	116.91		
330.0	31.29	39.36	48.45	58.37	67.79	77.38	88.99	101.44	113.38		
360.0	29.61	37.51	46.43	55.68	65.10	74.35	84.45	96.73	110.02		

5.Test Equipment

Equipment Name	Manufacturer	Model No.	Equipment No.	Calibration Due Date
2m Integrating Sphere	SENSING	SL-300	AOC-S-126	2026-04-13
Horizontal Distribution Photometer	SENSING	GMS1800D	AOC-S-124	2026-04-13
Standard Lamp	SENSING	220V/150W	AOC-S-156	2026-06-05
Digital power meter	HENGHE	WT310E	AOC-S-012	2026-04-13
Digital power meter	SENSING	UI2008	AOC-S-123	2026-04-13
Digital power meter	SENSING	UI2021	AOC-S-123	2026-04-13
DC source	OYHS	OYHS-Z120V-50A	AOC-S-062	2026-04-13
Variable frequency power supply	WOSEN	BP6005	AOC-S-129	2026-04-13
Variable frequency power supply	AIPUSI	KDF-500	AOC-S-130	2026-04-13
Oscilloscope	TEKTRONIX	MDO3012	AOC-S-028	2026-04-13

Photo Document



Fig.1

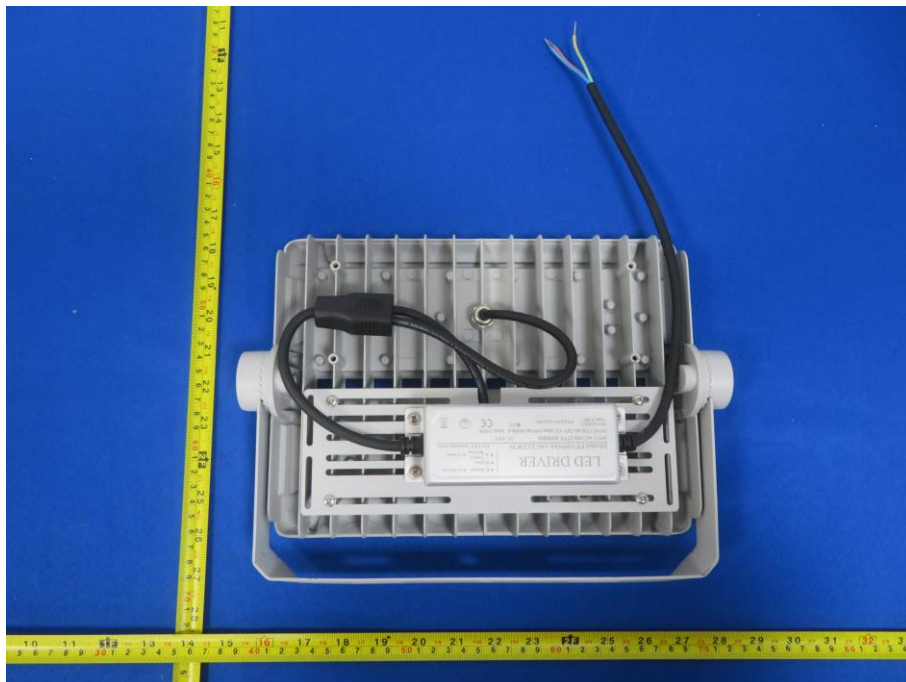


Fig.2



Fig.3



Fig.4



Fig.5

-- End of Report --

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